Title (en)

METHOD AND DEVICE FOR POSITIONING INTERFERENCE SOURCE CELL AND CORRESPONDING BASE STATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR POSITIONIERUNG EINER STÖRQUELLENZELLE UND ENTSPRECHENDE BASISSTATION

Title (fr)

PROCÉDÉ ET DISPOSITIF DE POSITIONNEMENT D'UNE CELLULE DE SOURCE D'INTERFÉRENCE ET STATION DE BASE CORRESPONDANTE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3525505A1] The present disclosure relates to a method and device for positioning an interference source cell and a corresponding base station and relates to the technical field of communications. The method comprises: setting an aliasing bandwidth of an entire system; with the aliasing bandwidth serving as a basic unit, setting a pilot sequence for each cell in the system; generating time-domain data on the basis of the pilot sequence of each cell; adding a CP to the time-domain data generated for each cell to generate specific data and outwardly transmitting same; receiving the specific data transmitted by other cells; parsing to produce corresponding frequency-domain data of the other cells at the aliasing bandwidth; locally generating corresponding frequency-domain data on the basis of all possible special pilot sequences in the system; generating corresponding time-domain data on the basis of the locally generated frequency-domain data and of the parsed frequency-domain data; and determining an interference source cell on the basis of the time-domain data produced. As such, the interference source cell can be positioned simply and efficiently, thus reducing system complexity.

IPC 8 full level

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CPC (source: CN EP)

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